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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Regulation of Permeability Across the BloodBrain Barrier -- Drug Transporters at Brain Barriers: Expression and Regulation by Neurological Disorders -- The BloodRetina Barrier: Tight Junctions and Barrier Modulation -- The Inner BloodRetinal Barrier: Molecular Structure and Transport Biology -- Endothelial and Epithelial Barriers in GraftVersusHost Disease -- Structure and Regulation of Intestinal Epithelial Tight Junctions: Current Concepts and Unanswered Questions -- Polarity Protein Complex Scribble/Lgl/Dlg and Epithelial Cell Barriers -- The BloodBiliary Barrier, Tight Junctions and Human Liver Diseases -- The BloodFollicle Barrier (Bfb) in Disease and in Ovarian Function -- Physiology and Pathophysiology of the Epithelial Barrier of the Female Reproductive Tract: Role of Ion Channels -- The BloodEpididymis Barrier and Human Male Fertility -- BloodTissue Barriers: Morphofunctional and Immunological Aspects of the BloodTestis and BloodEpididymal Barriers -- Gap Junctions and BloodTissue Barriers -- Transcriptional Regulation of Cell Adhesion at the BloodTestis Barrier and Spermatogenesis in the Testis -- cSrc and cYes are Two Unlikely Partners of Spermatogenesis and Their Roles in BloodTestis Barrier Dynamics -- Role of PGlycoprotein at the BloodTestis Barrier on Adjudin Distribution in the Testis: a Revisit of Recent Data -- The

Sommario/riassunto

This book was written by many outstanding investigators who have spent decades to study different aspects of bloodtissue barrier function. They have summarized some of the latest and fascinating development in their fields of research including the bloodbrain barrier, the bloodretinal barrier, the gut barrier, the bloodbiliary barrier, the bloodfollicle barrier, the bloodepididymis barrier, the bloodtestis barrier, the tight junction barrier in general as well as barriers in the female reproductive tract. Included are also chapters that focus on topics that are physiologically applicable to all bloodtissue barriers. Many of these chapters also include information on specific human diseases, such as pathological changes of the gut barrier that cause bowel disorders resulting from inflammation of the epithelial lining in the intestine, and infertility in men as a result of disruption of the bloodepididymal and/or bloodtestis barriers; and on new therapeutic approaches (e.g., drug delivery across the bloodbrain and the bloodretinal barriers).

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